PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	10/623,379
Filing Date	July 18, 2003
First Named Inventor	RUNYON, et. al.
Group Art Unit	~~4116~~ 3662
Examiner Name	~~unknown~~ T. BLUM
Attorney Docket Number	8E07.1-060

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number: Number - Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MB	AA	US-5,151,706	09/29/1992	ROEDERER et al.	
	AB	US- 6,188,373 B1	02/13/2001	MARTEK, Gary Allen	
	AC	US- 6,282,434 B1	08/28/2001	JOHANNISSON et. al.	
	AD	US- 6,292,133 B1	09/18/2001	LYNCH, Michael J.	
	AE	US- 6,337,659 B1	01/08/2002	KIM, Sang-Gi	
	AF	US- 6,351,243 B1	02/26/2002	DERNERYD et. al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document: Country Code[3] - Number[4] - Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
MB	BA	PCT WO 01 29926 A1	4/26/2001	Tec Telesystems International		
	BB	JP P2001-136016A (English)	5/18/2001	Sumitomo Electric Industries, Ltd.		
	BC	JP P2001-136016A (Japanese)	5/18/2001	Sumitomo Electric Industries, Ltd.		
	BD	JP H9-232865 (English)	9/5/1997	Nippon Telephone and Telegram, Inc.		
	BE	JP H9-232865 (Japanese)	9/5/1997	Nippon Telephone and Telegram, Inc.		

Examiner Signature	T. BLUM	Date Considered	5-19-04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.
[3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known	
Application Number	10/623,379
Filing Date	July 18, 2001
First Named Inventor	RUNYON et. al.
Group Art Unit	~~1116~~ 3662
Examiner Name	~~unknown~~ T. BLUM
Attorney Docket Number	8E07.1-060

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
TMB	CA	YAMADA, Y., EBINE, Y., AND KIJIMA, M -- Low Sidelobe Characteristics of a Dual-frequency Base Station Antenna in the Case of Electrical Beam Tilt Use -- 1999 IEEE Antennas and Propagation International pp 1-4	
	CB	KIJIMA, M., EBINE, Y., YAMADA, Y. -- Development of a Dual-Frequency Base Station Antenna for Cellular Mobile Radios -- April, 1999 IEICE Trans. Comm., Vol. E82-B, No. 4, pp 636-644	
	CC	KIRA, F., UENO, K., OHIRA, T., and OGAWA, H., -- New Design Approach to Multiple-Beam Forming Network for Beam Steerable Phased Array Antenna -- July 1999, IEICE Trans Electron, Vol E82-C, No. 7 pp 1195-1201	
	CD	KIRA, F., and HORI, T. -- Beamforming Network Design for Cluster Feeding of Highly Funchtional Scanning Antenna -- September 2001, IEICE Trans. Commun., Vol. E84-B, No. 9, pp 2436 - 2442	

Examiner Signature	T. BLUM	Date Considered	5-19-04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.